

Custodial, Labor and Trades Group
Maintenance and Plant Operation Series

MAINTENANCE MECHANIC II
06/00 (REB)

Summary

Under general supervision on assigned shifts, supervises and performs refrigeration and heating and a variety of mechanical and electromechanical tasks; and performs related work as required.

Typical Duties

Assigns, supervises and performs maintenance, repair and installations of refrigeration and heating and ventilation equipment, and other related components; reads thermostats and makes adjustments as needed to maintain uniform temperatures in building(s); supervises and participates in the recharging of refrigeration units with specified coolants; supervises the disassembly, repair and re-assembly of refrigeration, evaporative coolers, ventilation, heating units and related equipment; checks ducts and makes adjustments to maintain an even flow of cold or hot air; supervises and participates in the repair and maintenance of blowers, aqualators, clarifier units, digestion equipment, and mixers; repairs and replaces sewage and water pumps, pipe work, valves, drive lines, motors and chlorinators; repairs and replaces bushings, bearings, sleeves, packing glands, oil columns, pumps, housings, shafts, spider bearings and pump bowls; maintains and repairs various types of pumps and valves by replacing worn out parts such as stem, wedges, discs, impeller shafts, bearings, seals and other defective parts; supervises the installation and calibration of meters on sewer and water lines; maintains and repairs sludge drags, chain sprockets, bar screens and grit chambers; supervises and participates in the repair and maintenance of electric motors, electrical equipment and components; checks electrical motors and equipment for shorts, loose connections, loss of power and overload; uses welding equipment when needed; installs and maintains fire sprinkler systems; performs plumbing work; orders supplies and maintains log of work performed.

Minimum Qualifications

Training and Experience: Graduation from high school or the equivalent, and three years experience in refrigeration and heating or in the operation of a water or sewage treatment plant or related field; or an equivalent combination of training and experience.

Knowledge, Abilities and Skills: Considerable knowledge of: methods and practices in the repair and maintenance of refrigeration and heating equipment or in the repair and maintenance of a water or sewage plant. Good knowledge of: occupational hazards and safety precautions.

Ability to: identify and repair mechanical and electrical malfunctions; establish and maintain effective working relationships with fellow employees; supervise; requisition supplies and maintain logs of work performed.

Skill in the use and care of: mechanical tools and equipment of the trade.

Licenses and Certificates: Valid Class "C" Texas Driver's License, or equivalent from another state.

Special Requirements: Some positions require Environmental Protection Agency (EPA) certification for refrigeration reclamation, recovery and recycling from Type I, II and/or III appliances, as currently required by Section 608 of the Clean Air Act, within 6 months of date of appointment.

Director of Personnel

Department Head